



**DRILLING MORNING REPORT # 14**  
**Culverin 1**

25 Dec 2005

From: Ron King/ Webby  
To: J Ah-Cann

Well Data							
Country	Australia	MDBRT	2,131.0m	Cur. Hole Size	12.250in	AFE Cost	\$ 22699889
Field	Gippsland Basin	TVDBRT	2,130.3m	Last Casing OD	13.375in	AFE No.	3433-1001
Drill Co.	DOGC	Progress	587.0m	Shoe TVDBRT	1,511.8m	Daily Cost	\$ 0
Rig	OCEAN PATRIOT	Days from spud	9.44	Shoe MDBRT	1,511.8m	Cum Cost	\$ 10709071
Wtr Dpth(MSL)	585.0m	Days on well	13.35	FIT/LOT:	/ 15.80ppg	Days Since Last LTI	950
RT-ASL(MSL)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600		Drilling ahead 311 mm (12 1/4") hole at 2257m mMDRT					
Planned Op		Drill ahead.					

Summary of Period 0000 to 2400 Hrs
Drilled ahead from 1544.0 - 2131.0 mMDRT.

Operations For Period 0000 Hrs to 2400 Hrs on 25 Dec 2005							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	DA	0000	2400	24.00	2,131.0m	Drilled 311mm (12 1/4") hole from 1544m to 2131m String wt 275klbs, Tq 4-8000ftlbs, 150 rpm surface, 252rpm DH, WOB 15-18klbs, 2900psi, 900gpm. Boost riser while drilling. Max gas for 24hr period 1.2%. ROP average 24.45m/hr (including connections) Survey results @2113.64m 3.4deg, 29.61 azimuth, 2112.98m TVD

Operations For Period 0000 Hrs to 0600 Hrs on 26 Dec 2005							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	DA	0000	0600	6.00	2,257.0m	Drilled 311mm (12 1/4") hole from 2131m to 2257mMDRT String wt 2800klbs, Tq 4-8000ftlbs, 150 rpm surface, 252rpm DH, WOB 12-15klbs, 3000psi, 900gpm. Boost riser while drilling. Max gas for 6hr period 0.6% from 2163m. ROP average 21m/hr (including connections) Survey results @2227.87m, 3.85deg, 36.05 azimuth

Phase Data to 2400hrs, 25 Dec 2005						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
RIG MOVE/RIG-UP/PRESPUD(RM)	25.75	05 Nov 2005	14 Dec 2005	25.75	1.073	0.0m
ANCHORING(A)	44.75	14 Dec 2005	15 Dec 2005	70.50	2.938	0.0m
SURFACE HOLE(SH)	30	15 Dec 2005	17 Dec 2005	100.50	4.188	650.0m
SURFACE CASING(SC)	16.5	16 Dec 2005	17 Dec 2005	117.00	4.875	650.0m
INTERMEDIATE CASING(IC)	1	17 Dec 2005	17 Dec 2005	118.00	4.917	650.0m
RISER AND BOP STACK(BOP)	54	21 Dec 2005	23 Dec 2005	172.00	7.167	1,525.0m
INTERMEDIATE HOLE(IH)	148.5	17 Dec 2005	25 Dec 2005	320.50	13.354	2,131.0m

WBM Data								Cost Today \$ 23715	
Mud Type:KCL-NaCl-Polymer	API FL:	6.0cc/30min	Cl:	36500mg/l	Solids(%vol):	6%	Viscosity	56sec/qt	
Sample-From: Active Pit	Filter-Cake:	1/32nd"	K+C*1000:	3%	H2O:	94%	PV	15cp	
Time: 2100	HTHP-FL:		Hard/Ca:	200mg/l	Oil(%):	0%	YP	20lb/100ft²	
Weight: 9.60ppg	HTHP-cake:	1/32nd"	MBT:	1	Sand:	1	Gels 10s	4	
Temp: 20C°			PM:		pH:	9	Gels 10m	5	
			PF:	0.1	PHPA:	1ppb	Fann 003	4	
							Fann 006	6	
							Fann 100	21	
							Fann 200	29	
							Fann 300	35	
							Fann 600	50	

<b>Bit # 3</b>				Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:												
Size ("):	12.250in	IADC#	M422	<b>Nozzles</b>		<b>Drilled over last 24 hrs</b>			<b>Calculated over Bit Run</b>			
Mfr:	REED HYCALOG	WOB(avg)	15.00klb	No.	Size	Progress	587.0m	Cum. Progress	606.0m			
Type:	PDC	RPM(avg)	140	2	28/32nd"	On Bottom Hrs	18.4h	Cum. On Btm Hrs	21.6h			
Serial No.:	211010	F.Rate	21.00bpm	4	18/32nd"	IADC Drill Hrs	24.0h	Cum IADC Drill Hrs	27.0h			
Bit Model	RSX 616	SPP	2450psi			Total Revs	297	Cum Total Revs	331			
Depth In	1,525.0m	HSI				ROP(avg)	31.90 m/hr	ROP(avg)	28.06 m/hr			
Depth Out		TFA	2.197									
Bit Comment												

<b>BHA # 3</b>												
Weight(Wet)	40.00klb	Length	268.4m	Torque(max)	10000ft-lbs	D.C. (1) Ann Velocity	256fpm					
Wt Below Jar(Wet)	30.00klb	String	275.00klb	Torque(Off.Btm)	3000ft-lbs	D.C. (2) Ann Velocity	384fpm					
		Pick-Up	280.00klb	Torque(On.Btm)	6000ft-lbs	H.W.D.P. Ann Velocity	176fpm					
		Slack-Off	280.00klb			D.P. Ann Velocity	176fpm					

BHA Run Description: Annular velocity based on 900gpm

BHA Run Comment:

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.25m	12.250in		211010	Reed Hycalog RSX 616M
Mud Motor	8.58m	9.625in	6.135in	963006	244mm(9 5/8") Sperrydrill Lobe 6/7 - 5.0 stg Motor
X/O	1.22m	9.438in	2.875in	A639	
Stab	1.81m	12.125in	2.875in	694776	Non-mag integral blade string stab
MWD	24.39m	8.000in	1.920in		DIR/HCIM-EWR-DGR-CTN-SLD-ACAL-HOC.
8in DC	9.06m	8.000in	2.875in	18600035	
Stab	2.10m	12.125in	2.875in	47607	Integral blade string stabilizer
8in DC	8.68m	8.000in	2.875in	1860026	
Drilling Jars	9.31m	8.188in	3.063in	11150D	Drilling jars used in surface hole section.
8in DC	8.81m	8.000in	2.875in	18600031	
X/O	1.16m	8.500in	2.875in	MSO1930-2	
5in HWDP	192.98m	5.000in	2.875in		

<b>Survey</b>									
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type	
1569.11	0.4	350.1	1568.99	-2.2	6.9	13.3	0.0	MWD	
1626.44	0.6	2.0	1626.32	-1.9	6.4	13.3	0.1	MWD	
1712.56	1.5	24.6	1712.43	-0.7	5.0	12.8	0.4	MWD	
1798.49	2.4	23.2	1798.30	1.5	2.2	11.7	0.3	MWD	
1970.98	3.2	24.1	1970.56	8.1	5.9	7.9	0.1	MWD	
2056.65	3.2	27.0	2056.09	11.6	10.3	5.9	0.1	MWD	
2142.04	3.5	29.6	2141.34	14.7	14.7	3.6	0.1	MWD	

<b>Bulk Stocks</b>					
Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0	8.89	0	123.1
Bentonite Bulk	MT		0	0	38.1
Diesel	m3	0	11.2	0	406.0
Fresh Water	m3	29	11.2	0	155.8
Drill Water	m3	0	253.2	0	222.7
Cement G	MT	0	0	0	7.7
Cement HT (Silica)	MT		0	0	0.0

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (ppg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (bpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (bpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (bpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (bpm)
2	12P160	6.000	9.50	97	105	2900	9.50	2128.0	30	250	3.00	40	300	4.00	50	350	5.00
3	12P160	6.000	9.50	97	105	2900	9.50	2128.0	30	250	3.00	40	300	4.00	50	350	5.00

Casing						
OD (in)	Csg Shoe MD (m)	Csg Shoe TVD (m)	Csg Landing Depth MD (m)	Csg Landing Depth TVD (m)	LOT/FIT (ppg)	
30 "	650.30	650.30	604.40	604.40		
13 3/8"	1511.77	1511.77	603.50	603.50		

Personnel On Board		
Company	Pax	Comment
DOGC	44	
DOGC	44	
DOGC	3	extra
DOGC	3	extra
ESS	8	
ESS	8	
NEXUS	5	
NEXUS	5	
FUGRO SURVEY LTD (ROV)	3	
FUGRO SURVEY LTD (ROV)	3	
DOWELL SCHLUMBERGER	3	
DOWELL SCHLUMBERGER	3	
M-1 AUSTRALIA PTY LTD	3	
M-1 AUSTRALIA PTY LTD	3	
GEOSERVICES OVERSEAS S.A.	6	
GEOSERVICES OVERSEAS S.A.	6	
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN	4	Sperry Sun
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN	4	Sperry Sun
Total	158	

HSE Summary				
Events	Date of last	Days Since	Descr.	Remarks
Abandon Drill	18 Dec 2005	7 Days	Held weekly abandon rig drill	
Environmental Issue	24 Dec 2005	1 Day	Enviromental drill	
Fire Drill	18 Dec 2005	7 Days	Held weekly fire drill	
JSA	25 Dec 2005	0 Days	Deck = 8, Mech = 2, Drill = 2, Sub Sea =0	
Safety Meeting	18 Dec 2005	7 Days	Weekly safety meetings with all crew members.	
STOP Card	25 Dec 2005	0 Days	Safe = 6, Un-safe = 3	

Shakers, Volumes and Losses Data					
Available	2,512bbl	Losses	329bbl	Equip.	Mesh Size
Active	399.9bbl	Equipment	329bbl	Shaker1	VSM 100 4 x 145
Hole	1,433.1bbl			Shaker2	VSM 100 4 x 84
Reserve	679bbl			Shaker3	VSM 100 4 x 84
				Shaker4	BEM650 4 x 120

Shakers, Volumes and Losses Data			
Available	1,881bbl	Losses	1,318bbl
Reserve	1,881bbl	Sweeps	1,318bbl

Marine

Weather on 25 Dec 2005								Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchor	Tension (klb)	
10.0nm	20kn	292.0deg	1,012.0mbar	12C°	3.0m	292.0deg	3s	1	317.0	
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments				
272.0deg	396.00klb	4,484.00klb	4.0m	247.0deg	8s					
Comments										
Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks						
Far Grip			At rig on stand by.	Item	Unit	Used	Quantity			
				Diesel	CuMtr		521			
				Fresh Water	CuMtr		420			
				Drill Water	CuMtr		180			
				Cement G	Mt		80			
				Cement HT (Silica)	Mt		54			
				Barite Bulk	Mt		89			
Pacific Wrangler			Departed location ETA Melbourne 0800hrs 26th	Item	Unit	Used	Quantity			
				Diesel	CuMtr		162.4			
				Fresh Water	CuMtr		43			
				Drill Water	CuMtr		0			
				Cement G	Mt		0			
				Cement HT (Silica)	Mt		0			
				Barite Bulk	Mt		0			
				Bentonite Bulk	Mt		0			